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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/884,416	06/18/2001	Fong Fang Shen	50325-0537 (3943)	3181
29989	7590	07/27/2005	EXAMINER	
HICKMAN PALERMO TRUONG & BECKER, LLP			KNOWLIN, THJUAN P	
2055 GATEWAY PLACE			ART UNIT	
SUITE 550			PAPER NUMBER	
SAN JOSE, CA 95110			2642	

DATE MAILED: 07/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/884,416

**Applicant(s)**

SHEN ET AL.

**Examiner**

Thjuan P. Knowlin

**Art Unit**

2642

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 January 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Response to Amendment*

1. Applicant's amendment filed on January 24, 2005 has been entered. Claims 1, 3, 12, 13, 14, 15, and 19 have been amended. No claims have been cancelled. No claims have been added. Claims 1-20 are still pending in this application, with claims 1, 12, 13, 14, 15 being independent.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang et al (US 6,636,505).
3. In regards to claims 1, 9, 11, 12, 13, 14, 15, and 17, Wang discloses a method, computer-readable medium, and apparatus of automating the provisioning of network services for customer premises equipment of a subscriber in a next generation digital telecommunications network (See Abstract and col. 5 lines 38-47), the method

Art Unit: 2642

comprising the steps of: receiving a service request from a network service provider (See Fig. 2 and network service provider 30) that comprises information uniquely identifying the customer premises equipment to be provisioned, and a service to be provided by the customer premises equipment (See col. 5 lines 38-48 and col. 6-7 lines 66-6); retrieving a configuration template for a configuration appropriate for the customer premises equipment; allocating and reserving at least one resource associated with the customer premises equipment (See col. 7 lines 34-53 and col. 7-8 lines 61-2); generating configuration data for the customer premises equipment based on the configuration template and stored system configuration information; and delivering the configuration data over the network (See Fig. 2, core ATM network 80, and DSLAM 90) to the customer premises equipment to result in provisioning the customer premises equipment to provide the service (See col. 7-8 lines 61-15 and col. 8 lines 37-41).

4. In regards to claims 2, 4, 5, 18, and 20, Wang discloses the method and apparatus, wherein the customer premises equipment is an ADSL router (See col. 5 lines 38-47, col. 6 lines 48-50, and col. 6-7 lines 66-6), wherein the network is an asynchronous transfer mode (ATM) network (See Fig. 2, core ATM network 80, and col. 7-8 lines 61-2), and wherein the step of generating configuration data includes the step of allocating and reserving an IP address and fully qualified domain name for each of a plurality of permanent virtual circuits associated with communications among the network and the router (See col. 7 lines 34-53, col. 7-8 lines 61-2, and col. 8 lines 3-20).

5. In regards to claims 3 and 19, Wang discloses the method and apparatus, wherein the service request comprises information uniquely identifying the customer premises equipment to be provisioned, information identifying one or more permanent virtual circuits assigned by the service provider to the customer premises equipment; and access control data (See col. 8 lines 3-20 and col. 9 lines 3-6).

6. In regards to claims 6, 10, and 16, Wang discloses a method and apparatus, wherein the step of generating configuration data includes the steps of: allocating and reserving one or more network addresses respectively associated with one or more communication channels between the network and the customer premises equipment by communicating with a dynamic host control protocol server; allocating and reserving one or more fully qualified domain names respectively associated with one or more communication channels between the network and the customer premises equipment by communicating with a domain name service server (See col. 7 lines 34-53 and col. 7-8 lines 61-2 ).

7. In regards to claims 7 and 8, Wang discloses a method, further comprising the steps of: creating and storing updated configuration data in response to receiving a request to update provisioning of the customer premises equipment; generating a request to a proxy element of a network access device to update the provisioning to the customer premises equipment (See col. 7-8 lines 61-2 and col. 9 lines 47-55).

***Response to Arguments***

8. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Voit et al (US 6,798,751) teach a customer premises equipment for vertical services integration. Voit et al (US 6,829,250) teach an automatic programming of customer premises equipment for vertical services integration.

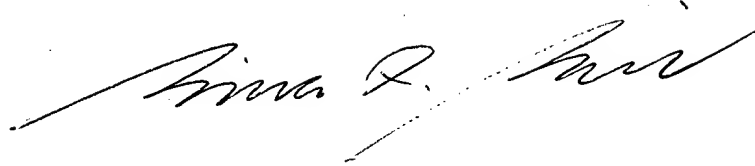
10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thjuan P. Knowlin whose telephone number is (571) 272-7486. The examiner can normally be reached on Mon-Fri 8:30-5:00pm.

11. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (571) 272-7488. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

12. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 2642

Thjuan P. Knowlin

A handwritten signature in black ink, appearing to read "Bing Q. Bui". The signature is fluid and cursive, with a long horizontal stroke at the end.

**BING Q. BUI**  
**PRIMARY EXAMINER**